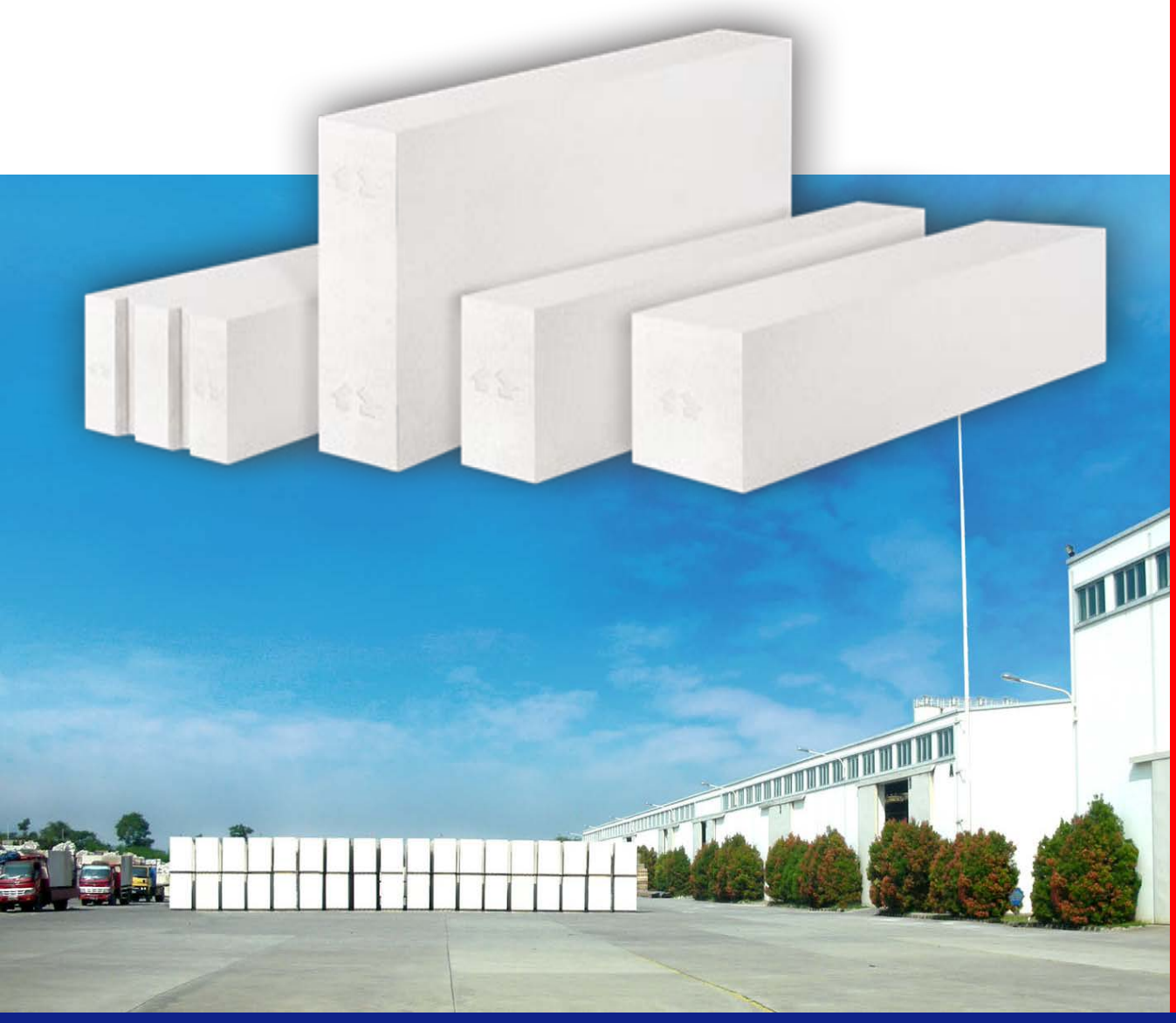
LeichtBric
Premium AAC

Autoclaved Aerated Concrete (AAC) Blocks

Proudly made for the Philippines

Edition 2020



Foreword & Disclaimer

MABUHAY!!! Thank you for choosing Leichtbric AAC Blocks for your project in the Philippines.

In this product guide, we use the terms Leichtbric, Autoclaved Aerated Concrete (AAC) and Autoclaved Lightweight Concrete (ALC) interchangeably to define and describe the Product and its general specification.

Leichtbric is made of German technology from Wehrhahn GmbH. Founded in 2005 Leichtbric is the oldest and most established brand in Indonesia, Singapore and Malaysia, with an output capacity of 30,000m2 per day. We have exported over 4 million square meter to the regional countries.

Amongst its many features and general product specifications, Leichtbric can be supplied in several dimensions and density classes. Leichtbric is tested and certified to relevant Standards called out by mandatory Code of Practice and Common Industry practices. Please verify the product specifications against your requirements to determine the suitability of Leichtbric for your intended applications.

We also provide Project References and technical support on applications and recommended use. Method Statement is found in our Installation Guide, and is made available upon request.

PT BROCO AERATED CONCRETE INDUSTRY
JALAN RAYA SERANG CIKANDE, BANTEN INDONESIA

Product Characteristics

- **Most Tested & Certified AAC brand**
- **Genuine Lightweight Density @ 500-700 kg/m3**
- **Genuine “Precision Blocks”,**
  - ✓ **+/- 1mm tolerance**
- **Fire Rating**
  - ✓**Up to 240 minutes @ 100 mm thickness bare wall built up**
- **Superior U value for energy-efficient buildings.**
  - ✓ **10 times more insulating than clay and concrete.**
- **Full Green Certification**
  - ✓ **Green Certificate (3 ticks), Green Label, ISO 14001, Emission & Leaching tests.**

Product Benefits

Fire Safety

Noise Reduction

Great Thermal U- Value

Fast Built Up

Better Worksite Safety

Environmentally Friendly

Lightweight Density

PRODUCT SPECIFICATION

Test Description	Test Standard	Standard Density, S3 Class	High Density, S5 Class	Ultra Density, S7 Class
		S3 (D480)	S5 (D600)	S7 (D650)
Dry Density (kg /m3)	(BS EN 772-13)	> 500	> 600	> 650
Compressive Strength (N/mm2)	(BS EN 772-1) / (ASTM C1693)	> 3.0	> 5.0	> 6.5
Dimensional Tolerance (mm)	(BS EN 771-4)	+/- 1	+/- 1	+/- 1
Water Absorption (%)	(SS271-1983)	11%	11%	*** Ultra Density AAC (S7 Density) @ is customed made for specific projects that require superior sound insulation, and better lateral strength. Please refer to test reports.
Drying Shrinkage (mm/m)	(BS EN 680)	0.97	0.90	
Flexural Strength (N/mm2)	(BS EN 1351)	> 0.5	> 1.0	
Thermal Conductivity (W/m.k)	(ASTM C518)	0.18	0.22	
Fire Rating	(BS 476 22)	4 H	4 H	
Strength & Robustness	(SS492)	Severe Duty Pull Out - Pass Pull Down - Pass Wash Basin - Up to 1500N Cabinets - Up to 4000N		
Recommended Use:		For all typical applications	For better STC >42-45	For better STC >48-50

Standards: BS EN, BS, SS, MS, AS/NZS ,ASTM.
***** Above values are based on Manufacturer's declaration, backed by tests done in-house and by 3rd party laboratories.**
The Manufacturer reserves the full right to alter the technical specs of the products. Please check with our sales and technical team before placing an order.

Green Label Singapore
Product ID: 022-038-0308
/022-038-3000
ECO-FRIENDLY BUILDING MATERIAL /
MINIMUM 20% RECYCLED CONTENT

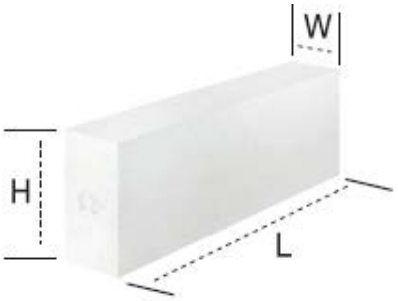
SINGAPORE GREEN BUILDING PRODUCT
SGBC
EXCELLENT
SGBP 3117

TÜV SÜD ISO 14001
CERT NO. : 2014 - 0597
ISO 14001 : 2015

MS
SIRIM

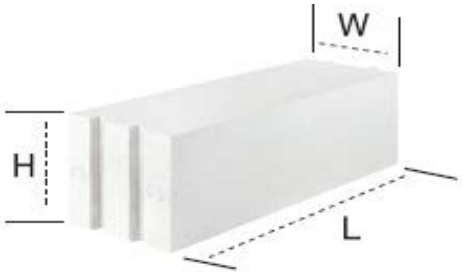
Product Information

REGULAR BLOCKS



Dimension and Size			Volume	in pallet	Weight (kg)
Length (mm)	Width (mm)	Thickness(mm)	Cbm	pc Per pallet	
600	200	100	0.012	180	7.20
600	200	150	0.018	120	10.80
600	200	200	0.024	90	14.40
600	500	100	0.030	72	18.00
600	500	150	0.045	48	27.00
600	500	200	0.060	36	36.00

INTERLOCKING BLOCKS



Dimension and Size			Tongue and Groove	Volume	in pallet	Weight (kg)
Length (mm)	Width (mm)	Thickness(mm)		Cbm	pc Per pallet	
600	200	150	Yes	0.018	120	10.80
600	200	200	Yes	0.024	90	14.40
600	500	150	Yes	0.045	48	27.00
600	500	200	Yes	0.060	36	36.00

Block Work at a Glance

Sweep ground of all debris, and remove all obstacles around marked area for block work.

Mix thoroughly the Bonding Agent in clean container. Use only Thin Bed Adhesive for AAC material.

Apply grout (thick bed base plaster) of at least 30mm to ground or slab.

Lay the base (first) course of Blocks. Use tungsten tip saw to cut to size Blocks for proper alignment and position. Recommended to allow at least 12 hours for base course to set.

Continue with subsequent courses of Blocks to be laid. Apply only 3-5 mm thickness of Thin Bed Adhesive. Ensure proper alignment and level for each course while being built up.

Remove all excess Thin Bed Adhesive. Ensure any gap found between Blocks to be filled with Thin Bed Adhesive. Allow at least 3 days for built up AAC Wall to properly set before applying secondary scope of works (plastering or M&E).

***Notes : Detailed Method Statement is found in our Installation Guide. Available upon request.

Typical Wall Built Up And Applications

AAC wall in wet area with waterproofing and services pipes.

Typical AAC wall using jumbo size block in dry area.

Typical AAC wall using regular blocks and jumbo blocks, external and common areas.

AAC wall bare wall finish with door opening.

Skim Coat Finish 3-4 mm. Trade Demonstration to Government Consultants.

AAC wall with columns.

AAC wall, externally applied with plastering and paint.

AAC wall with concealed M&E services.

AAC wall with large M&E items. Lintel provided in openings.

LeichtBric
Premium AAC

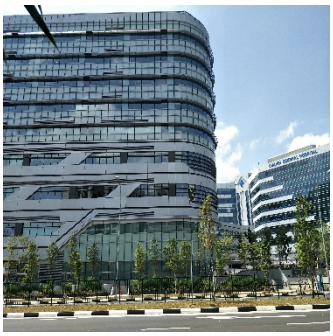
PROJECT REFERENCES

Scan for more info:

CENTURY SQUARE
(TAMPINES)

ASCENDAS ASCENT
(Science Park II)

OUE DOWNTOWN
(Shenton Way)



CHANGI GENERAL HOSPITAL
(Simei Street)

SINGPOST EUNOS
(Eunos Road)

NTU ACADEMIC
(Nanyang Crescent)

ROBINSON TOWER
(Robinson Road)

GEM Residences
(Toa Payoh)

CLUNY PARK RESIDENCE
(Cluny Park Road)

LE GROVE
Orange Grove)

GRAMERCY PARK
(Grange Road)

FRASERS TOWER
(Cecil Street)

INTAN COLLEGE
(Kuching)

CALVARY CHURCH
(Tawau)

SYARIAH COURT
(Kuching)

MENARA HUP SENG
(Kota Kinabalu)

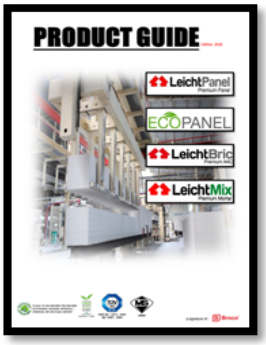
OTHER PUBLICATIONS

AAC Blocks Brochure (For The Philippines)

AAC Blocks Brochure

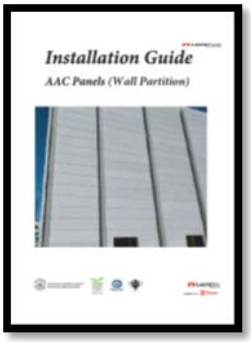
1M Eco Panel Brochure

Wall Panel Brochure



General Product Portfolio

*** Installation Guide AAC Blocks**



*** Installation Guide AAC Panels**

Safe Handling of Panels at worksite.

Remarks: * available only in hard copy

Download for Softcopy.

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Scan for more info

Product and Technical Support :
Morris Schaefer Asia Pacific Pte Ltd

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